



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

August 29, 2006

Clark Public Utilities
Attn: Jeff Wittler
P.O. Box 8900
Vancouver, WA 98668

Dear Mr. Wittler:

Re: Short Term Water Use Permit #S2-30328

On June 12, 2006, Jeff Wittler of Clark Public Utilities, submitted a Short Term Water Use Application, requesting a permit for seasonal irrigation of newly planted riparian vegetation along the shoreline of the East Fork Lewis River and Lockwood Creek in Clark County.

The water will be diverted from the East Fork Lewis River, within Water Resource Inventory Area 27. The point of diversion is located within the NW ¼, Section 11, Township 4 N., Range 1 E.W.M. in Clark County. Public Notice of the proposed project occurred on July 14 & 21, 2006 in The Columbian. No protests were received as a result of the notice.

The intended use of the water is for irrigation to establish 10 acres of native vegetation at the confluence of Lockwood Creek and the East Fork Lewis River about ½ mile southeast of La Center, WA. This project is partially funded by the Department of Ecology Centennial Clean Water Grant. Sample species of vegetation include Red Alder, Pacific Willow, Oregon Ash, Cottonwood, and Red Maple. Water is expected to be required for the first few years after planting; therefore the period of use will be during the irrigation season July 1-September 30 beginning in 2006 through 2008.

An 11 hp sump pump will divert water from the East Fork Lewis River, hand watered by volunteers through a total of 10 hoses rated at 5 gpm each therefore the average instantaneous withdrawal rate will be on the order of 50 gpm. Ecology has generally used anywhere from 0.01 to 0.02 cfs per acre of irrigation to calculate instantaneous needs. In order to ensure the peak demand will not be exceeded, especially on hot days, 0.2 cfs will be used to calculate instantaneous needs. Approximately 10 acres between the East Fork Lewis River and Lockwood Creek will be irrigated, therefore the maximum instantaneous rate will be 0.22 cfs or 100 gpm.

At each tree there exists a water tube that directs water to the base of the tree, thereby reducing runoff and evaporative loss that might otherwise be lost through overhead sprinkler systems.

Charles Brun, PhD., Horticultural Advisor at the WSU Extension in Clark County noted that it is reasonable to assume newly planted riparian plants require an average of one inch per week with the irrigation season beginning in July and lasting through September (approximately 12 weeks). Therefore, 12 inches of water per acre (1 acre foot) will be necessary to meet water demand of the riparian

trees/plants. At this rate, the water requirement for this 10 acre project is estimated to be 1 acre-feet per acre or 10 acre-feet per year (af/yr).

I find that water is available for appropriation in the quantity requested, that the proposed use is beneficial and will not result in impairment of existing rights, and will not be detrimental to the public interest.

This project is subject to a Washington State Department of Fish & Wildlife Hydraulic Project Approval.

Clark Public Utilities is hereby authorized to divert (100 gpm) 0.22 cfs, and up to 10 acre-feet per year for the irrigation of 10 acres. The period of use shall be during the irrigation season (July 1 through September 30), as needed, each year. This short-term authorization will expire on September 30, 2008.

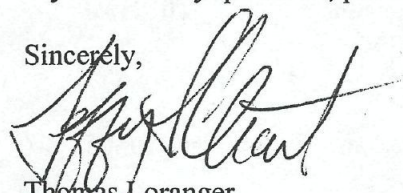
This permit is subject to the following provisions:

- Water use shall be measured using a standard measuring device in accordance with the rule "Requirements for Measuring and Reporting Water Use" (Chapter 173-173 WAC), or accurately estimated based on pumping capacity and detailed records of watering dates, times, and duration.
- Water use data shall be recorded weekly and maintained for the duration of this project. Data shall be promptly submitted to Ecology if requested.
- The use of water under this short-term permit may be subject to regulation based on the necessity to maintain water quantities sufficient for preservation of the natural environment.
- This project is subject to a Washington State Department of Fish & Wildlife Hydraulic Project Approval.
- This short term permit expires on September 30, 2008, unless sooner revoked by the Department of Ecology.

This order may be appealed. Your appeal must be filed with the Pollution Control Hearings Board, PO Box 40903, Olympia, WA 98504-0903 within thirty (30) days of the date this Order was mailed by the Department of Ecology. At the same time a copy of your appeal must be sent to the Department of Ecology, c/o Water Resources Appeal Coordinator, PO Box 47600, Olympia, WA 98504-7600. Your appeal alone will not stay the effectiveness of this order. Stay requests must be submitted in accordance with RCW 43.21B.320. These procedures are consistent with Chapter 43.21B RCW.

If you have any questions, please call Mike Dexel at (360) 407-6167.

Sincerely,



Thomas Loranger
Water Resources Supervisor

TL:MD:th